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230047 - DAT - Network Application Design

Coordinating unit: 230 - ETSETB - Barcelona School of Telecommunications Engineering

Teaching unit: 744 - ENTEL - Department of Network Engineering

Academic year: 2019

Degree: BACHELOR'S DEGREE IN NETWORK ENGINEERING (Syllabus 2010). (Teaching unit Compulsory)
BACHELOR'S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (Teaching unit Optional)
BACHELOR'S DEGREE IN TELECOMMUNICATIONS SCIENCE AND TECHNOLOGY (Syllabus 2010). (Teaching unit Optional)

ECTS credits: 6 Teaching languages: Catalan

Teaching staff

Coordinator: -Fernandez Muñoz, Marcel

Others:

Degree competences to which the subject contributes

Generical:

2. They will have acquired knowledge related to experiments and laboratory instruments and will be competent in a laboratory environment in the ICC field. They will know how to use the instruments and tools of telecommunications and electronic engineering and how to interpret manuals and specifications. They will be able to evaluate the errors and limitations associated with simulation measures and results.

Transversal:

1. SELF-DIRECTED LEARNING - Level 3. Applying the knowledge gained in completing a task according to its relevance and importance. Deciding how to carry out a task, the amount of time to be devoted to it and the most suitable information sources.

Learning objectives of the subject

Study load

Total learning time: 150h	Hours large group:	39h	26.00%
	Hours small group:	26h	17.33%
	Self study:	85h	56.67%

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Content

(ENG) Tema 1. Els serveis telemàtics.	Learning time: 22h 40m Theory classes: 6h Laboratory classes: 4h Self study : 12h 40m
(ENG) Tema 2. Tecnologies de servidors HTTP convencionals.	Learning time: 40h 30m Theory classes: 10h 30m Laboratory classes: 7h Self study : 23h
(ENG) Tema 3. Arquitectures de disseny d'aplicacions telemàtiques.	Learning time: 40h 30m Theory classes: 10h 30m Laboratory classes: 7h Self study : 23h
(ENG) Tema 4. Tècniques de presentació dinàmica de continguts.	Learning time: 22h 40m Theory classes: 6h Laboratory classes: 4h Self study : 12h 40m
(ENG) Tema 5. Tecnologies basades en XML.	Learning time: 22h 40m Theory classes: 6h Laboratory classes: 4h Self study : 12h 40m

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Planning of activities

(ENG) Exercicis

(ENG) Pràctica de laboratori

(ENG) Pràctica de laboratori

(ENG) Pràctica de laboratori

(ENG) Pràctica de laboratori

(ENG) Pràctica de laboratori

(ENG) Proves de resposta llarga (Examen Final)

Bibliography

Basic:

Rodríguez de la Fuente, S. [et al.]. Programación de aplicaciones web. Madrid: International Thomson, 2003. ISBN 8497321812.

Shklar, L.; Rosen, R. Web application architecture: principles, protocols and practices. 2nd ed. Chichester: John Wiley, 2009. ISBN 9780470518601.

Complementary:

Kappel, G. [et al.] (eds.). Web engineering: the discipline of systematic development of web applications. Hoboken, NJ: John Wiley & Sons, 2006. ISBN 0470015543.